| Ref<br># | Hits   | Search Query   | DBs                | Default<br>Operator | Plurals | Time Stamp        |
|----------|--------|--|--------------------|---------------------|---------|-------------------|
|          | 5<br>5 | fluorescent and lamp and<br>project\$6 adj discharge\$6 and<br>(same adj plane or coplanar or<br>co-planar) and electrode\$1   | USPAT;<br>EPO; JPO | OR                  | OFF     | 2004/12/06 11:102 |
|          |        | fluorescent and lamp and project\$6 adj discharge\$6 and and (co adj plan\$6 or coplanar or co-plan\$6) and electrode\$1   | USPAT;<br>EPO; JPO | OR                  | OFF     | 2004/12/06 11:00  |
|          |        | fluorescent and lamp and<br>project\$6 adj discharge\$6 and and<br>(co adj plan\$6 or coplanar or<br>co-plan\$6)and electrode\$1)  | USPAT;<br>EPO; JPO | OR                  | OFF     | 2004/12/06 11:00  |
|          |        | fluorescent and lamp and first and substrate\$1 and second and discharge and gas and electrode\$1 and emit\$6 and electric and voltage and alternat\$6 and positive and light and seal\$6 and positive and negative and (different and area\$1 and alternat\$6)and accord\$9 and (polarity and invert\$6)and group\$1 and (LCD or liquid adj crystal adj display) and (project\$6 and electrode\$1 and discharge\$6 and (co adj plan\$6 or coplaner or co-plan\$6) | USPAT;<br>EPO; JPO | OR                  | OFF     | 2005/02/08 13:02  |
| L1       | 24545  | fluorescent adj lamp   | USPAT;<br>EPO; JPO | OR                  | OFF     | 2005/02/08 13:03  |
| L2       | 239    | fluorescent adj lamp and discharge<br>adj gas  | USPAT;<br>EPO; JPO | OR                  | OFF     | 2005/02/08 13:03  |
| L3       | 0      | fluorescent adj lamp and discharge adj gas and project\$6 and exted\$6   | USPAT;<br>EPO; JPO | OR                  | OFF     | 2005/02/08 13:04  |
| L4       | 43     | fluorescent adj lamp and discharge<br>adj gas and project\$6 and<br>extend\$6  | USPAT;<br>EPO; JPO | OR                  | OFF     | 2005/02/08 13:05  |
| L5       | 0      | fluorescent adj lamp and discharge<br>adj gas and project\$6 and<br>extend\$6 and all and direction  | USPAT;<br>EPO; JPO | OR                  | OFF     | 2005/02/08 13:05  |
| L6       | 34     | fluorescent adj lamp and discharge<br>adj gas and project\$6 and<br>extend\$6 and (all or every or any)<br>and direction   | USPAT;<br>EPO; JPO | OR                  | OFF     | 2005/02/08 13:06  |
| L7.      | 17     | fluorescent adj lamp and discharge<br>adj gas and project\$6 and<br>extend\$6 and (all or every or any)<br>and direction\$1 and substrate\$1   | USPAT;<br>EPO; JPO | OR                  | OFF     | 2005/02/08 13:11  |

| L8    | 0   | fluorescent adj lamp and discharge<br>adj gas and discharge adj<br>project\$6 and extend\$6  | USPAT;<br>EPO; JPO                                      | OR | OFF | 2005/02/08 14:11 |
|-------|-----|--|---|----|-----|------------------|
| L9    | 0   | fluorescent adj lamp and<br>electrode\$1 and discharge adj<br>project\$6 and extend\$6   | USPAT;<br>EPO; JPO                                      | OR | OFF | 2005/02/08 13:12 |
| L10   | 459 | fluorescent adj lamp and electrode\$1 and (discharge and project\$6) and extend\$6   | USPAT;<br>EPO; JPO                                      | OR | OFF | 2005/02/08 13:12 |
| L111. | 459 | fluorescent adj lamp and<br>(electrode\$1 and (discharge and<br>project\$6)) and extend\$6   | USPAT;<br>EPO; JPO                                      | OR | OFF | 2005/02/08 13:13 |
| L12   | 104 | fluorescent adj lamp and<br>(electrode\$1 and (discharge and<br>project\$6)) and extend\$6 and (all<br>or every or any) and direction\$1<br>and substrate\$1           | USPAT;<br>EPO; JPO                                      | OR | OFF | 2005/02/08 13:14 |
| L13   | 459 | fluorescent adj lamp and<br>(electrode\$1 and (discharge and<br>project\$6)) and extend\$6   | USPAT;<br>EPO; JPO                                      | OR | OFF | 2005/02/08 13:13 |
| L14   | 15  | fluorescent adj lamp and (electrode\$1 and (discharge and project\$6)) and extend\$6 and (all or every or any) and direction\$1 and substrate\$1 and gas adj discharge | USPAT;<br>EPO; JPO                                      | OR | OFF | 2005/02/08 13:14 |
| L15   | 4   | "5629054".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/08 14:05 |
| L16   | 1   | "5629054".pn. and discharge  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/08 14:05 |
| L17   | 0   | "5629054".pn. and discharge\$6<br>and porject\$6   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/08 14:05 |
| L18   | 1   | "5629054".pn. and discharge\$6<br>and project\$6   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/08 14:06 |

| L19 | . 1 | "5629054".pn. and project\$6  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/08 14:06 |
|-----|-----|---|---|----|-----|------------------|
| L20 | 0   | fluorescent adj lamp and discharge adj project\$6 and extend\$6   | USPAT;<br>EPO; JPO                                      | OR | OFF | 2005/02/08 14:23 |
| L21 | 0   | display and projetc\$6 adj<br>discharge\$6  | USPAT;<br>EPO; JPO                                      | OR | OFF | 2005/02/08 14:24 |
| L22 | 79  | display and project\$6 adj<br>discharge\$6  | USPAT;<br>EPO; JPO                                      | OR | OFF | 2005/02/08 14:24 |
| L23 | 32  | display and project\$6 adj<br>discharge\$6 and gas  | USPAT;<br>EPO; JPO                                      | OR | OFF | 2005/02/08 14:24 |
| L24 | 11  | display and project\$6 adj<br>discharge\$6 and gas adj discharge  | USPAT;<br>EPO; JPO                                      | OR | OFF | 2005/02/08 14:24 |
| L25 | 4   | display and project\$6 adj<br>discharge\$6 and gas adj discharge<br>and substrate\$1                                | USPAT;<br>EPO; JPO                                      | OR | OFF | 2005/02/08 14:25 |
| L26 | 4   | display and electrode\$1 and<br>project\$6 adj discharge\$6 and gas<br>adj discharge and substrate\$1               | USPAT;<br>EPO; JPO                                      | OR | OFF | 2005/02/08 14:26 |
| L27 | 4   | display and (electrode\$1 and project\$6 adj discharge\$6) and gas adj discharge and substrate\$1                   | USPAT;<br>EPO; JPO                                      | OR | OFF | 2005/02/08 14:26 |
| L28 | 0   | display and (electrode\$1 and<br>project\$6 adj discharge\$6) and<br>gas adj discharge and substrate\$1<br>and lamp | USPAT;<br>EPO; JPO                                      | OR | OFF | 2005/02/08 14:26 |
| L29 | 1   | display and (electrode\$1 and project\$6 adj discharge\$6) and gas adj discharge and substrate\$1 and fluorescent   | USPAT;<br>EPO; JPO                                      | OR | OFF | 2005/02/08 14:27 |
| S1  | 522 | 345/102.ccls.   | USPAT;<br>EPO; JPO                                      | OR | OFF | 2004/02/28 17:59 |
| S2  | 145 | 345/102.ccls. and fluorescent   | USPAT;<br>EPO; JPO                                      | OR | OFF | 2004/02/28 17:59 |
| S3  | 89  | 345/102.ccls. and fluorescent and lamp  | USPAT;<br>EPO; JPO                                      | OR | OFF | 2004/02/28 17:59 |
| S4  | 20  | 345/102.ccls. and fluorescent and lamp and first and substrate  | USPAT;<br>EPO; JPO                                      | OR | OFF | 2004/02/28 18:00 |
| S5  | 23  | 345/102.ccls. and fluorescent and lamp and first and substrate\$1 and second  | USPAT;<br>EPO; JPO                                      | OR | OFF | 2004/02/28 18:00 |
| S6  | 6   | 345/102.ccls. and fluorescent and lamp and first and substrate\$1 and second and discharge                          | USPAT;<br>EPO; JPO                                      | OR | OFF | 2004/02/28 18:01 |

| S7   | 3 | 345/102.ccls. and fluorescent and lamp and first and substrate\$1 and second and discharge and gas   | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/28 18:01 |
|------|---|--|--------------------|----|-----|------------------|
| S8   | 3 | 345/102.ccls. and fluorescent and<br>lamp and first and substrate\$1<br>and second and discharge and gas<br>and electrode\$1   | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 10:56 |
| S9   | 2 | 345/102.ccls. and fluorescent and lamp and first and substrate\$1 and second and discharge and gas and electrode\$1 and emit\$6 and electric   | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/28 18:02 |
| S10  | 2 | 345/102.ccls. and fluorescent and lamp and first and substrate\$1 and second and discharge and gas and electrode\$1 and emit\$6 and electric and voltage                                       | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/28 18:02 |
| S11  | 0 | 345/102.ccls. and fluorescent and lamp and first and substrate\$1 and second and discharge and gas and electrode\$1 and emit\$6 and electric and voltage and positive                          | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/28 18:02 |
| S12  | 2 | 345/102.ccls. and fluorescent and lamp and first and substrate\$1 and second and discharge and gas and electrode\$1 and emit\$6 and electric and voltage and alternat\$6                       | USPAT;<br>EPO; JPO | OR | ØFF | 2004/02/28 18:02 |
| S13  | 2 | 345/102.ccls. and fluorescent and lamp and first and substrate\$1 and second and discharge and gas and electrode\$1 and emit\$6 and electric and voltage and alternat\$6 and area\$1           | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/28 18:03 |
| S14  | 3 | 345/102.ccis. and fluorescent and lamp and first and substrate\$1 and second and discharge and gas and electrode\$1 and emit\$6  | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 15:41 |
| S15  | 2 | 345/102.ccls. and fluorescent and lamp and first and substrate\$1 and second and discharge and gas and electrode\$1 and emit\$6 and electric and voltage and alternat\$6 and area\$1 and light | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 15:42 |
| S16. | 1 | 345/102.ccls. and fluorescent and lamp and first and substrate\$1 and second and discharge and gas and electrode\$1 and emit\$6 and seal\$6  | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 15:42 |

| S17 | 1       | 345/102.ccls. and fluorescent and lamp and first and substrate\$1 and second and discharge and gas and electrode\$1 and emit\$6 and electric and voltage and alternat\$6 and area\$1 and light and seal\$6   | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 15:46 |
|-----|---------|--|--------------------|----|-----|------------------|
| S18 | 38011   | fluorescent and lamp   | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 15:46 |
| S19 | 6161    | fluorescent and lamp and first and substrate\$1 and second   | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 15:46 |
| S20 | 147     | fluorescent and lamp and first and<br>substrate\$1 and second and<br>discharge and gas and electrode\$1<br>and emit\$6 and electric and<br>voltage and alternat\$6 and area\$1<br>and light and seal\$6  | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 15:47 |
| S21 | 103     | fluorescent and lamp and first and<br>substrate\$1 and second and<br>discharge and gas and electrode\$1<br>and emit\$6 and electric and<br>voltage and alternat\$6 and area\$1<br>and light and seal\$6 and positive                               | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 15:47 |
| S22 | 77      | fluorescent and lamp and first and<br>substrate\$1 and second and<br>discharge and gas and electrode\$1<br>and emit\$6 and electric and<br>voltage and alternat\$6 and area\$1<br>and light and seal\$6 and positive<br>and negative               | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 15:48 |
| S23 | 147     | fluorescent and lamp and first and<br>substrate\$1 and second and<br>discharge and gas and electrode\$1<br>and emit\$6 and electric and<br>voltage and alternat\$6 and area\$1<br>and light and seal\$6  | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 15:47 |
| S24 | 74      | fluorescent and lamp and first and<br>substrate\$1 and second and<br>discharge and gas and electrode\$1<br>and emit\$6 and electric and<br>voltage and alternat\$6 and area\$1<br>and light and seal\$6 and positive<br>and negative and different | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 15:48 |
| S25 | 74<br>· | fluorescent and lamp and first and substrate\$1 and second and discharge and gas and electrode\$1 and emit\$6 and electric and voltage and alternat\$6 and area\$1 and light and seal\$6 and positive and negative and different and area\$1       | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 15:48 |

| S26 | 74 | fluorescent and lamp and first and substrate\$1 and second and discharge and gas and electrode\$1 and emit\$6 and electric and voltage and alternat\$6 and area\$1 and light and seal\$6 and positive and negative and different and area\$1 and alternat\$6   | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 15:49 |
|-----|----|--|--------------------|----|-----|------------------|
| S27 | 74 | fluorescent and lamp and first and<br>substrate\$1 and second and<br>discharge and gas and electrode\$1<br>and emit\$6 and electric and<br>voltage and alternat\$6 and area\$1<br>and light and seal\$6 and positive<br>and negative and (different and<br>area\$1 and alternat\$6)                    | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 15:49 |
| S28 | 0  | fluorescent and lamp and first and substrate\$1 and second and discharge and gas and electrode\$1 and emit\$6 and electric and voltage and alternat\$6 and area\$1 and light and seal\$6 and positive and negative and (different and area\$1 and alternat\$6)and according                            | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 15:49 |
| S29 | 54 | fluorescent and lamp and first and substrate\$1 and second and discharge and gas and electrode\$1 and emit\$6 and electric and voltage and alternat\$6 and area\$1 and light and seal\$6 and positive and negative and (different and area\$1 and alternat\$6)and accord\$9                            | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 15:50 |
| S30 | 41 | fluorescent and lamp and first and substrate\$1 and second and discharge and gas and electrode\$1 and emit\$6 and electric and voltage and alternat\$6 and area\$1 and light and seal\$6 and positive and negative and (different and area\$1 and alternat\$6)and accord\$9 and polarity               | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 15:51 |
| S31 | 28 | fluorescent and lamp and first and substrate\$1 and second and discharge and gas and electrode\$1 and emit\$6 and electric and voltage and alternat\$6 and area\$1 and light and seal\$6 and positive and negative and (different and area\$1 and alternat\$6)and accord\$9 and polarity and invert\$6 | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 15:51 |

| S32 | 20    | fluorescent and lamp and first and substrate\$1 and second and discharge and gas and electrode\$1 and emit\$6 and electric and voltage and alternat\$6 and area\$1 and light and seal\$6 and positive and negative and (different and area\$1 and alternat\$6)and accord\$9 and (polarity and invert\$6)and group\$1  | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 15:52 |
|-----|-------|---|--------------------|----|-----|------------------|
| S33 | 9     | fluorescent and lamp and first and substrate\$1 and second and discharge and gas and electrode\$1 and emit\$6 and electric and voltage and alternat\$6 and area\$1 and light and seal\$6 and positive and negative and (different and area\$1 and alternat\$6)and accord\$9 and (polarity and invert\$6)and group\$1 and (LCD or liquid adj crystal adj display)    | USPAT;<br>EPO; JPO | OR | OFF | 2004/12/06 10:34 |
| S34 | 0     | fluorescent adj lamp and first and substrate\$1 and second and discharge and gas and electrode\$1 and emit\$6 and electric and voltage and alternat\$6 and area\$1 and light and seal\$6 and positive and negative and (different and area\$1 and alternat\$6)and accord\$9 and (polarity and invert\$6)and group\$1 and (LCD or liquid adj crystal adj display)    | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 16:02 |
| S35 | O     | fluorescent adj lamp\$1 and first and substrate\$1 and second and discharge and gas and electrode\$1 and emit\$6 and electric and voltage and alternat\$6 and area\$1 and light and seal\$6 and positive and negative and (different and area\$1 and alternat\$6)and accord\$9 and (polarity and invert\$6)and group\$1 and (LCD or liquid adj crystal adj display) | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 16:03 |
| S36 | 28492 | fluorescent adj lamp\$1   | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 16:02 |
| S37 | 4140  | fluorescent adj lamp\$1 AND<br>SUBSTRATE\$1   | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 16:02 |
| S38 | 2901  | fluorescent adj lamp\$1 AND<br>(SUBSTRATE\$1 AND FIRST AND<br>SECOND)   | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 16:03 |

| S39 | 522 | fluorescent adj lamp\$1 and first<br>and substrate\$1 and second and<br>GAS AND discharge   | USPAT;<br>EPO; JPO | OR   | OFF  | 2004/02/29 16:04 |
|-----|-----|---|--------------------|------|------|------------------|
| S40 | 370 | fluorescent adj lamp\$1 and first<br>and substrate\$1 and second and<br>GAS AND electrode\$1 and<br>discharge   | USPAT;<br>EPO; JPO | OR   | OFF  | 2004/02/29 16:04 |
| S41 | 370 | fluorescent adj lamp\$1 and (first<br>and substrate\$1 and second) and<br>GAS AND electrode\$1 and<br>discharge   | USPAT;<br>EPO; JPO | OR   | OFF  | 2004/02/29 16:05 |
| S42 | 0   | fluorescent adj lamp\$1 and (first<br>and substrate\$1 and second) and<br>GAS AND electrode\$1 and<br>discharge and electric  | USPAT;<br>EPO; JPO | OR   | OFF  | 2004/02/29 16:05 |
| S43 | 317 | fluorescent adj lamp\$1 and (first<br>and substrate\$1 and second) and<br>GAS AND electrode\$1 and<br>discharge and electric  | USPAT;<br>EPO; JPO | OR   | OFF  | 2004/02/29 16:05 |
| S44 | 173 | fluorescent adj lamp\$1 and (first<br>and substrate\$1 and second) and<br>GAS AND electrode\$1 and<br>discharge and electric and emit\$6<br>and voltage   | USPAT;<br>EPO; JPO | OR   | OFF  | 2004/02/29 16:06 |
| S45 | 173 | fluorescent adj lamp\$1 and (first<br>and substrate\$1 and second) and<br>GAS AND electrode\$1 and<br>discharge and electric and emit\$6<br>and light and voltage                                 | USPAT;<br>EPO; JPO | OR   | OFF  | 2004/02/29 16:06 |
| S46 | 179 | fluorescent adj lamp\$1 and (first<br>and substrate\$1 and second) and<br>GAS AND electrode\$1 and<br>discharge and electric and emit\$6<br>and light and voltage\$1                              | USPAT;<br>EPO; JPO | OR   | OFF  | 2004/02/29 16:06 |
| S47 | 100 | fluorescent adj lamp\$1 and (first<br>and substrate\$1 and second) and<br>GAS AND electrode\$1 and<br>discharge and electric and emit\$6<br>and light and voltage\$1 and<br>positive              | USPAT;<br>EPO; JPO | OR . | OFF  | 2004/02/29 16:06 |
| S48 | 62  | fluorescent adj lamp\$1 and (first<br>and substrate\$1 and second) and<br>GAS AND electrode\$1 and<br>discharge and electric and emit\$6<br>and light and voltage\$1 and<br>positive and negative | USPAT;<br>EPO; JPO | OR   | .⊙FF | 2004/02/29 16:07 |

| S49 | 37 | fluorescent adj lamp\$1 and (first<br>and substrate\$1 and second) and<br>GAS AND electrode\$1 and<br>discharge and electric and emit\$6<br>and light and voltage\$1 and<br>positive and negative and<br>polarit\$6  | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 16:07 |
|-----|----|--|--------------------|----|-----|------------------|
| S50 | 35 | fluorescent adj lamp\$1 and (first<br>and substrate\$1 and second) and<br>GAS AND electrode\$1 and<br>discharge and electric and emit\$6<br>and light and voltage\$1 and<br>positive and negative and<br>polarit\$6 and area\$1  | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 16:07 |
| S51 | 32 | fluorescent adj lamp\$1 and (first<br>and substrate\$1 and second) and<br>GAS AND electrode\$1 and<br>discharge and electric and emit\$6<br>and light and voltage\$1 and<br>positive and negative and<br>polarit\$6 and (area\$1 and<br>alternat\$6)   | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 16:08 |
| S52 | 15 | fluorescent adj lamp\$1 and (first<br>and substrate\$1 and second) and<br>seal\$6 and GAS AND electrode\$1<br>and discharge and electric and<br>emit\$6 and light and voltage\$1<br>and positive and negative and<br>polarit\$6 and (different and<br>area\$1 and alternat\$6)   | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 16:09 |
| S53 | 7  | fluorescent adj lamp\$1 and (first<br>and substrate\$1 and second) and<br>seal\$6 and GAS AND electrode\$1<br>and discharge and electric and<br>emit\$6 and light and voltage\$1<br>and positive and negative and<br>(polarit\$6 and invert\$6) and<br>(different and area\$1 and<br>alternat\$6)  | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 16:10 |
| S54 | 0  | fluorescent adj lamp\$1 and (first and substrate\$1 and second) and seal\$6 and GAS AND electrode\$1 and discharge and electric and emit\$6 and light and voltage\$1 and positive and negative and (polarit\$6 and invert\$6) and (different and area\$1 and alternat\$6) and accord\$9 and group\$1 and (LCD or liquid adj crystal adj display) | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 16:11 |

| S55 | 2  | fluorescent adj lamp\$1 and (first and substrate\$1 and second) and seal\$6 and GAS AND electrode\$1 and discharge and electric and emit\$6 and light and voltage\$1 and positive and negative and (polarit\$6 and invert\$6) and (different and area\$1 and alternat\$6) and (LCD or liquid adj crystal adj display)                                | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 16:11 |
|-----|----|--|--------------------|----|-----|------------------|
| S56 | 0  | fluorescent adj lamp\$1 and (first and substrate\$1 and second) and seal\$6 and GAS AND electrode\$1 and discharge and electric and emit\$6 and light and voltage\$1 and positive and negative and (polarit\$6 and invert\$6) and (different and area\$1 and alternat\$6) and (LCD or liquid adj crystal adj display)and accord\$9                   | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 16:11 |
| S57 | 1  | fluorescent adj lamp\$1 and (first and substrate\$1 and second) and seal\$6 and GAS AND electrode\$1 and discharge and electric and emit\$6 and light and voltage\$1 and positive and negative and (polarit\$6 and invert\$6) and (different and area\$1 and alternat\$6) and (LCD or liquid adj crystal adj display) and group\$1                   | USPAT;<br>EPO; JPO | OR | OFF | 2004/03/01 16:05 |
| S58 | 39 | fluorescent adj lamp\$1 with (first and substrate\$1 and second)   | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 16:16 |
| S59 | 15 | fluorescent adj lamp\$1 with (first<br>and substrate\$1 and second) and<br>backlight\$6  | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 16:16 |
| S60 | 0  | fluorescent adj lamp\$1 with (first and substrate\$1 and second) and backlight\$6 and seal\$6 and GAS AND electrode\$1 and discharge and electric and emit\$6 and light and voltage\$1 and positive and negative and (polarit\$6 and invert\$6) and (different and area\$1 and alternat\$6) and (LCD or liquid adj crystal adj display) and group\$1 | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 16:16 |
| S61 | 12 | fluorescent adj lamp\$1 with (first<br>and substrate\$1 and second) and<br>backlight\$6 and seal\$6  | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 16:16 |

| S62 | 0      | fluorescent adj lamp\$1 with (first<br>and substrate\$1 and second) and<br>backlight\$6 and seal\$6 and GAS<br>AND electrode\$1 and discharge<br>and electric and emit\$6 and light<br>and voltage\$1 and positive and<br>negative   | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 16:17 |
|-----|--------|--|--------------------|----|-----|------------------|
| S63 | Ö      | fluorescent adj lamp\$1 with (first and substrate\$1 and second) and backlight\$6 and seal\$6 and GAS AND electrode\$1 and discharge and electric and emit\$6 and light and voltage\$1 and (polarit\$6 and invert\$6) and (different and area\$1 and alternat\$6) and (LCD or liquid adj crystal adj display) and group\$1 | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 16:18 |
| S64 | 1      | fluorescent adj lamp\$1 with (first and substrate\$1 and second) and backlight\$6 and seal\$6 and GAS AND electrode\$1 and discharge and electric and emit\$6 and light and voltage\$1 and (different and area\$1 and alternat\$6) and (LCD or liquid adj crystal adj display) and group\$1                                | USPAT;<br>EPO; JPO | OR | OFF | 2004/03/01 09:21 |
| S65 | 3      | fluorescent adj lamp\$1 with (first<br>and substrate\$1 and second) and<br>backlight\$6 and seal\$6 and GAS<br>AND electrode\$1 and discharge<br>and electric and emit\$6 and light<br>and voltage\$1  | USPAT;<br>EPO; JPO | OR | OFF | 2004/02/29 16:20 |
| S66 | 3      | fluorescent adj lamp\$1 with (first<br>and substrate\$1 and second) and<br>backlight\$6 and seal\$6 and GAS<br>AND electrode\$1 and discharge<br>and electric and emit\$6 and light<br>and voltage\$1  | USPAT;<br>EPO; JPO | OR | OFF | 2004/03/02 11:26 |
| S67 | 10     | fluorescent adj lamp\$1 with (first<br>and substrate\$1 and second) and<br>backlight\$6 and voltage\$1   | USPAT;<br>EPO; JPO | OR | OFF | 2004/03/01 09:22 |
| S68 | 769660 | fluorescent adj lamp\$1 with (first<br>and substrate\$1 and second) and<br>backlight\$6 and voltage\$1<br>(electrode\$1)   | USPAT;<br>EPO; JPO | OR | OFF | 2004/03/01 09:23 |
| S69 | 9      | fluorescent adj lamp\$1 with (first<br>and substrate\$1 and second) and<br>backlight\$6 and voltage\$1 and<br>(electrode\$1)   | USPAT;<br>EPO; JPO | OR | OFF | 2004/03/01 09:23 |

| S70  | . 6 | fluorescent adj lamp\$1 with (first<br>and substrate\$1 and second) and<br>backlight\$6 and voltage\$1 and<br>(electrode\$1 and first and second<br>and third)                              | USPAT;<br>EPO; JPO | OR | OFF  | 2004/03/01 10:24 |
|------|-----|---|--------------------|----|------|------------------|
| S71  | 0   | fluorescent adj lamp\$1 with (first<br>and substrate\$1 and second) and<br>backlight\$6 and voltage\$1 and<br>(electrode\$1 and first and second<br>and third) and polarit\$6               | USPAT;<br>EPO; JPO | OR | OFF  | 2004/03/01 09:24 |
| S72  | 0   | fluorescent adj lamp\$1 with (first<br>and substrate\$1 and second) and<br>backlight\$6 and voltage\$1 and<br>(electrode\$1 and first and second<br>and third) and positive and<br>negetive | USPAT;<br>EPO; JPO | OR | OFF  | 2004/03/01 09:24 |
| S73  | 1   | fluorescent adj lamp\$1 with (first<br>and substrate\$1 and second) and<br>backlight\$6 and voltage\$1 and<br>(electrode\$1 and first and second<br>and third) and positive and<br>negative | USPAT;<br>EPO; JPO | OR | OFF  | 2004/03/01 09:43 |
| S74  | 268 | fluorescent adj lamp\$1 and<br>positive and negative and<br>polarities  | USPAT;<br>EPO; JPO | OR | OFF  | 2004/03/01 09:43 |
| S75  | 258 | fluorescent adj lamp\$1 and positive and negative and polarities and voltage  | USPAT;<br>EPO; JPO | OR | OFF  | 2004/03/01 09:43 |
| S76  | 148 | fluorescent adj lamp\$1 and<br>positive and negative and<br>polarities and voltage and<br>electrode\$1  | USPAT;<br>EPO; JPO | OR | OFF  | 2004/03/01 09:44 |
| \$77 | 67  | fluorescent adj lamp\$1 and positive and negative and polarities and voltage and electrode\$1 and substrate\$1  | USPAT;<br>EPO; JPO | OR | OFF  | 2004/07/09 10:36 |
| S78  |     | fluorescent adj lamp\$1 and<br>positive and negative and<br>polarities and voltage and<br>electrode\$1 and substrate\$1 and<br>backlighting   | USPAT;<br>EPO; JPO | OR | OFF  | 2004/03/02 09:11 |
| S79  | 0   | fluorescent adj lamp\$1 with (first<br>and substrate\$1 and second) and<br>backlight\$6 and positive and<br>negative and polarities   | USPAT;<br>EPO; JPO | OR | OFF. | 2004/03/01 10:25 |
| S80  | 1   | fluorescent adj lamp\$1 with (first<br>and substrate\$1 and second) and<br>backlight\$6 and positive and<br>negative and voltage  | USPAT;<br>EPO; JPO | OR | OFF  | 2004/03/01 10:25 |

| S81 | 1 | fluorescent adj lamp\$1 and (first and substrate\$1 and second) and seal\$6 and GAS AND electrode\$1 and discharge and electric and emit\$6 and light and voltage\$1 and positive and negative and (polarit\$6 and invert\$6) and (different and area\$1 and alternat\$6) and (LCD or liquid adj crystal adj display) and group\$1 and project\$6                      | USPAT;<br>EPO; JPO | OR | OFF | 2004/03/02 07:53 |
|-----|---|--|--------------------|----|-----|------------------|
| S82 | 1 | fluorescent adj lamp\$1 and (first and substrate\$1 and second) and seal\$6 and GAS AND electrode\$1 and discharge and electric and emit\$6 and light and voltage\$1 and positive and negative and (polarit\$6 and invert\$6) and (different and area\$1 and alternat\$6) and (LCD or liquid adj crystal adj display) and group\$1 and project\$6 and face             | USPAT;<br>EPO; JPO | OR | OFF | 2004/03/02 09:08 |
| S83 | 0 | fluorescent adj lamp\$1 and (first and substrate\$1 and second) and seal\$6 and GAS AND electrode\$1 and discharge and electric and emit\$6 and light and voltage\$1 and positive and negative and (polarit\$6 and invert\$6) and (different and area\$1 and alternat\$6) and (LCD or liquid adj crystal adj display) and group\$1 and project\$6 and face and maximum | USPAT;<br>EPO; JPO | OR | OFF | 2004/03/02 09:14 |
| S84 | O | fluorescent adj lamp\$1 and (first and substrate\$1 and second) and seal\$6 and GAS AND electrode\$1 and discharge and electric and emit\$6 and light and voltage\$1 and positive and negative and (polarit\$6 and invert\$6) and (different and area\$1 and alternat\$6) and (LCD or liquid adj crystal adj display) and group\$1 and project\$6 and face and minimum | USPAT;<br>EPO; JPO | OR | OFF | 2004/03/02 09:09 |

| S85 | 0 | fluorescent adj lamp\$1 and (first and substrate\$1 and second) and seal\$6 and GAS AND electrode\$1 and discharge and electric and emit\$6 and light and voltage\$1 and positive and negative and (polarit\$6 and invert\$6) and (different and area\$1 and alternat\$6) and (LCD or liquid adj crystal adj display) and group\$1 and project\$6 and face and liminance | USPAT;<br>EPO; JPO | OR | OFF | 2004/03/02 09:09 |
|-----|---|--|--------------------|----|-----|------------------|
| S86 | 0 | fluorescent adj lamp\$1 and (first and substrate\$1 and second) and seal\$6 and GAS AND electrode\$1 and discharge and electric and emit\$6 and light and voltage\$1 and positive and negative and (polarit\$6 and invert\$6) and (different and area\$1 and alternat\$6) and (LCD or liquid adj crystal adj display) and group\$1 and project\$6 and face and luminance | USPAT;<br>EPO; JPO | OR | OFF | 2004/03/02 09:11 |
| S87 | 1 | fluorescent adj lamp\$1 and positive and negative and polarities and voltage and electrode\$1 and substrate\$1 and backlighting and maximum  | USPAT;<br>EPO; JPO | OR | OFF | 2004/03/02 09:11 |
| S88 | 0 | fluorescent adj lamp\$1 and positive and negative and polarities and voltage and electrode\$1 and substrate\$1 and backlighting and maximum and minimum  | USPAT;<br>EPO; JPO | OR | OFF | 2004/03/02 09:11 |
| S89 | 1 | fluorescent adj lamp\$1 and<br>positive and negative and<br>polarities and voltage and<br>electrode\$1 and substrate\$1 and<br>backlighting and maximum  | USPAT;<br>EPO; JPO | OR | OFF | 2004/03/02 09:12 |
| S90 | 1 | fluorescent adj lamp\$1 and (first and substrate\$1 and second) and seal\$6 and GAS AND electrode\$1 and discharge and electric and emit\$6 and light and voltage\$1 and positive and negative and (polarit\$6 and invert\$6) and (different and area\$1 and alternat\$6) and (LCD or liquid adj crystal adj display) and group\$1 and project\$6 and face and period    | USPAT;<br>EPO; JPO | OR | OFF | 2004/03/02 09:14 |

| S91      | 1     | fluorescent adj lamp\$1 and (first and substrate\$1 and second) and seal\$6 and GAS AND electrode\$1 and discharge and electric and emit\$6 and light and voltage\$1 and positive and negative and (polarit\$6 and invert\$6) and (different and area\$1 and alternat\$6) and (LCD or liquid adj crystal adj display) and group\$1 and project\$6 and face and period and predetermined | USPAT;<br>EPO; JPO | OR | OFF | 2004/03/02 09:15 |
|----------|-------|---|--------------------|----|-----|------------------|
| S92      | 1     | fluorescent adj lamp\$1 with (first<br>and substrate\$1 and second) and<br>backlight\$6 and seal\$6 and GAS<br>AND electrode\$1 and discharge<br>and electric and emit\$6 and light<br>and voltage\$1 and positive  | USPAT;<br>EPO; JPO | OR | OFF | 2004/03/02 11:27 |
| S93      | 1     | fluorescent adj lamp\$1 and (first and substrate\$1 and second) and seal\$6 and GAS AND electrode\$1 and discharge and electric and emit\$6 and light and voltage\$1 and positive and negative and (polarit\$6 and invert\$6) and (different and area\$1 and alternat\$6) and (LCD or liquid adj crystal adj display) and group\$1 and project\$6 and face                              | USPAT;<br>EPO; JPO | OR | OFF | 2004/03/02 13:22 |
| S94      | 0     | siorage adj media   | USPAT;<br>EPO; JPO | OR | OFF | 2004/03/02 13:23 |
| S95      | 0     | siorage adj medium  | USPAT;<br>EPO; JPO | OR | OFF | 2004/03/02 13:23 |
| S96      | 19731 | storage adj media   | USPAT;<br>EPO; JPO | OR | OFF | 2004/03/02 13:23 |
| S97      | 0     | storage adj media with dispaly  | USPAT;<br>EPO; JPO | OR | OFF | 2004/03/02 13:23 |
| S98      | 757   | storage adj media with display  | USPAT;<br>EPO; JPO | OR | OFF | 2004/03/02 13:23 |
| S99      | 0     | storage adj media with BI-STABLE<br>ADJ display   | USPAT;<br>EPO; JPO | OR | OFF | 2004/03/02 13:24 |
| S10<br>0 | 0     | storage adj media with BISTABLE<br>ADJ display  | USPAT;<br>EPO; JPO | OR | OFF | 2004/03/02 13:24 |
| S10<br>1 | 3     | storage adj media with display<br>AND BISTABLE  | USPAT;<br>EPO; JPO | OR | OFF | 2004/03/02 13:24 |
| S10<br>2 | 520   | smart adj card with display   | USPAT;<br>EPO; JPO | OR | OFF | 2004/03/02 15:18 |
| S10<br>3 | 25    | smart adj card with display and<br>storage adj media  | USPAT;<br>EPO; JPO | OR | OFF | 2004/03/02 15:17 |

|           |     | voltage\$1 and first adj substrate<br>and second adj substrate and<br>discharge adj gas and gas and<br>electrode\$1 and light and emit   |                    |    |       |                  |
|-----------|-----|--|--------------------|----|-------|------------------|
| S11<br>6  | 6   | fluorescent adj lamp\$1 and<br>discharge and projection and  | USPAT;<br>EPO; JPO | OR | OFF   | 2004/07/09 11:33 |
| S11<br>5  | 6   | fluorescent adj lamp\$1 and<br>discharge and projection and<br>voltage\$1 and first adj substrate<br>and second adj substrate and<br>discharge adj gas and gas and<br>electrode\$1 and light | USPAT;<br>EPO; JPO | OR | OFF   | 2004/07/09 11:33 |
| S11<br>4  | 6   | fluorescent adj lamp\$1 and<br>discharge and projection and<br>voltage\$1 and first adj substrate<br>and second adj substrate and<br>discharge adj gas and gas and<br>electrode\$1           | USPAT;<br>EPO; JPO | OR | OFF   | 2004/07/09 11:33 |
| S11<br>3  | 6   | fluorescent adj lamp\$1 and<br>discharge and projection and<br>voltage\$1 and first adj substrate<br>and second adj substrate and<br>discharge adj gas and gas                               | USPAT;<br>EPO; JPO | OR | OFF   | 2004/07/09 11:32 |
| S11<br>2  | 6   | fluorescent adj lamp\$1 and<br>discharge and projection and<br>voltage\$1 and first adj substrate<br>and second adj substrate and<br>discharge adj gas                                       | USPAT;<br>EPO; JPO | OR | OFF   | 2004/07/09 11:32 |
| \$11<br>1 | 12  | fluorescent adj lamp\$1 and<br>discharge and projection and<br>voltage\$1 and first adj substrate<br>and second adj substrate  | USPAT;<br>EPO; JPO | OR | OFF   | 2004/07/09 11:31 |
| S11<br>0  | 350 | fluorescent adj lamp\$1 and<br>discharge and projection and<br>voltage\$1  | USPAT;<br>EPO; JPO | OR | OFF   | 2004/07/09 14:59 |
| S10<br>9  | 0   | fluorescent adj lamp\$1 and<br>discharge adj projection and<br>voltage\$1  | USPAT;<br>EPO; JPO | OR | OFF   | 2004/07/09 11:30 |
| S10<br>8  | 0   | fluorescent adj lamp\$1 and<br>discharge adj projection and<br>voltage   | USPAT;<br>EPO; JPO | OR | OFF   | 2004/07/09 11:28 |
| S10<br>7  | 1   | fluorescent adj lamp\$1 and<br>discharge adj projection  | USPAT;<br>EPO; JPO | OR | - OFF | 2004/07/09 11:27 |
| S10<br>6  | 0   | smart adj card with display and<br>bistable and storage adj media<br>and passive   | USPAT;<br>EPO; JPO | OR | OFF   | 2004/03/02 15:21 |
| S10<br>5  | 4   | smart adj card with display and bistable   | USPAT;<br>EPO; JPO | OR | OFF   | 2004/03/02 15:21 |
| S10<br>4  | 1   | smart adj card with display and storage adj media and passive  | USPAT;<br>EPO; JPO | OR | OFF   | 2004/03/02 15:17 |

| S11       | . 6 | fluorescent adj lamp\$1 and  | USPAT;  | OR | OFF | 2004/07/09 11:33 |
|-----------|-----|--|---|----|-----|------------------|
| 7         |     | discharge and projection and voltage\$1 and first adj substrate and second adj substrate and discharge adj gas and gas and electrode\$1 and light and emit\$6  | EPO; JPO  |    |     |                  |
| S11<br>8  | 14  | fluorescent adj lamp\$1 and<br>discharge and projection and<br>voltage\$1 and first adj substrate  | USPAT;<br>EPO; JPO                                      | OR | OFF | 2004/07/12 10:31 |
| S11<br>9  | 4   | "6,674,250".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2004/07/09 14:39 |
| S12<br>0  | 2   | "6,674,250".pn. and discharge  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2004/07/09 14:40 |
| S12<br>1  | 0   | "6,674,250".pn. and discharge\$6<br>and project\$6   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2004/07/09 14:39 |
| S12<br>2  | 0   | "6,674,250".pn. and discharge and diburse  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2004/07/09 14:40 |
| S12<br>3  | 21  | fluorescent adj lamp\$1 and discharge and projection and voltage\$1 and ((semicircular or semi-circumferential, circular or ring) adj shape)   | USPAT;<br>EPO; JPO                                      | OR | OFF | 2004/07/09 15:01 |
| \$12<br>4 | 0   | fluorescent adj lamp\$1 and<br>discharge and projection and<br>voltage\$1 and ((semicircular or<br>semi-circumferential, circular or<br>ring) adj shape)and first adj<br>substrate and second adj<br>substrate | USPAT;<br>EPO; JPO                                      | OR | OFF | 2004/07/09 15:02 |
| S12<br>5  | 9   | fluorescent adj lamp\$1 and discharge and projection and voltage\$1 and ((semicircular or semi-circumferential, circular or ring) adj shape)and substrate\$1   | USPAT;<br>EPO; JPO                                      | OR | OFF | 2004/07/09 15:02 |

| S12<br>6 | 0  | fluorescent adj lamp\$1 and discharge and projection and voltage\$1 and ((semicircular or semi-circumferential, circular or ring) adj shape)and substrate\$1 and discharge adj gas and gas and electrode\$1 and light and emit\$6 | USPAT;<br>EPO; JPO | OR | OFF | 2004/07/09 15:03 |
|----------|----|---|--------------------|----|-----|------------------|
| S12<br>7 | 0  | fluorescent adj lamp\$1 and discharge and projection and voltage\$1 and ((semicircular or semi-circumferential, circular or ring) adj shape)and substrate\$1 and discharge adj gas  | USPAT;<br>EPO; JPO | OR | OFF | 2004/07/09 15:03 |
| S12<br>8 | 5  | fluorescent adj lamp\$1 and discharge and projection and voltage\$1 and ((semicircular or semi-circumferential, circular or ring) adj shape)and substrate\$1 and gas and electrode\$1 and light and emit\$6                       | USPAT;<br>EPO; JPO | OR | OFF | 2004/07/09 15:03 |
| S12<br>9 | 6  | fluorescent adj lamp\$1 and discharge and projection and voltage\$1 and ((semicircular or semi-circumferential, circular or ring) adj shape)and substrate\$1 and gas  | USPAT;<br>EPO; JPO | OR | OFF | 2004/07/12 11:07 |
| S13<br>0 | 1  | fluorescent adj lamp\$1 and discharge and projection and voltage\$1 and first adj substrate and shape and select\$6 and (semi-circular or semi-circumferential or circumferential)  | USPAT;<br>EPO; JPO | OR | OFF | 2004/07/12 10:36 |
| S13<br>1 | 0  | fluorescent adj lamp\$1 and<br>discharge and projection and<br>voltage\$1 and first adj substrate<br>and shape and select\$6 and<br>(semi-circular or circl\$9)   | USPAT;<br>EPO; JPO | OR | OFF | 2004/07/12 10:37 |
| S13<br>2 | 0  | fluorescent adj lamp\$1 and<br>discharge adj projection and shape<br>and (semi-circular or circl\$9)  | USPAT;<br>EPO; JPO | OR | OFF | 2004/07/12 10:38 |
| S13<br>3 | 0  | fluorescent adj lamp\$1 and<br>discharge adj projection and<br>(semi-circular or circl\$9)  | USPAT;<br>EPO; JPO | OR | OFF | 2004/07/12 10:38 |
| S13<br>4 | 93 | fluorescent adj lamp\$1 and<br>discharge and projection and<br>shape and (semi-circular or<br>circl\$9)   | USPAT;<br>EPO; JPO | OR | OFF | 2004/07/12 11:38 |

| S13<br>5 | 740 | display and discharge and projection and shape and (semi-circular or circl\$9)  | USPAT;<br>EPO; JPO | OR | OFF | 2004/07/12 11:16 |
|----------|-----|---|--------------------|----|-----|------------------|
| S13<br>6 | 0   | display and discharge adj<br>projection and (semi-circular or<br>circl\$9)  | USPAT;<br>EPO; JPO | OR | OFF | 2004/07/12 10:47 |
| S13<br>7 | 3   | display and discharge adj<br>projection   | USPAT;<br>EPO; JPO | OR | OFF | 2004/07/12 10:47 |
| S13<br>8 | 2   | display and discharge adj<br>projection and shape   | USPAT;<br>EPO; JPO | OR | OFF | 2004/07/12 11:03 |
| S13<br>9 | 0   | discharge adj projection and shape<br>and (semi-circular or<br>semi-circumferential or<br>circumferential or double<br>semi-circumferential or circular)<br>and display                   | USPAT;<br>EPO; JPO | OR | OFF | 2004/07/12 11:04 |
| S14<br>0 | 2   | discharge adj projection and shape<br>and (semi-circular or<br>semi-circumferential or<br>circumferential or double<br>semi-circumferential or circular)<br>and gas                       | USPAT;<br>EPO; JPO | OR | OFF | 2004/07/12 11:07 |
| S14<br>1 | . 0 | discharge adj projection and shape<br>and (semi-circular or<br>semi-circumferential or<br>circumferential or double<br>semi-circumferential or<br>circular)and fluorescent and<br>lamp\$1 | USPAT;<br>EPO; JPO | OR | OFF | 2004/07/12 11:08 |
| S14<br>2 | 0   | discharge adj projection and shape<br>and (semi-circular or<br>semi-circumferential or<br>circumferential or double<br>semi-circumferential or circular)<br>and fluorescent adj lamp\$1   | USPAT;<br>EPO; JPO | OR | OFF | 2004/07/12 11:08 |
| S14<br>3 | 28  | discharge adj projection and shape  | USPAT;<br>EPO; JPO | OR | OFF | 2004/07/12 11:08 |
| S14<br>4 | 16  | discharge adj projection and shape<br>and (semi-circular or<br>semi-circumferential or<br>circumferential or double<br>semi-circumferential or circular)                                  | USPAT;<br>EPO; JPO | OR | OFF | 2004/07/12 11:12 |
| S14<br>5 | 630 | display and discharge and projection and shape and (semi-circular or circl\$9) and shape and (semi-circular or semi-circumferential or circumferential or circular)                       | USPAT;<br>EPO; JPO | OR | OFF | 2004/07/12 11:29 |

| S14<br>6     | 1   | display and discharge and projection adj shape and (semi-circular or circl\$9) and (semi-circular or semi-circumferential or circumferential or double semi-circumferential or circular)    | USPAT;<br>EPO; JPO | OR | OFF | 2004/07/12 12:23 |
|--------------|-----|---|--------------------|----|-----|------------------|
| <b>514</b> 7 | 1   | display and discharge and projection and shape adj ((semi-circular or circl\$9) and (semi-circular or semi-circumferential or circumferential or double semi-circumferential or circular))  | USPAT;<br>EPO; JPO | OR | OFF | 2004/07/12 11:29 |
| S14<br>8     | 2   | display and discharge and projection adj shape and (semi-circular or circl\$9 or ellip\$9 and parabol\$9)   | USPAT;<br>EPO; JPO | OR | OFF | 2004/07/12 12:18 |
| S14<br>9     | 3   | fluorescent adj lamp\$1 and<br>discharge and projection and<br>shape adj (semi-circular or circl\$9)  | USPAT;<br>EPO; JPO | OR | OFF | 2004/07/12 12:01 |
| S15<br>0     | 3   | fluorescent adj lamp\$1 and discharge and projection and shape adj (semi-circular or circl\$9 or circl\$9 or ellip\$9 and parabol\$9)   | USPAT;<br>EPO; JPO | OR | OFF | 2004/07/12 12:00 |
| S15<br>1     | 0   | gas adj discharge adj projection  | USPAT;<br>EPO; JPO | OR | OFF | 2004/07/12 12:00 |
| S15<br>2     | 0   | electrode\$1 adj discharge adj<br>projection  | USPAT;<br>EPO; JPO | OR | OFF | 2004/07/12 12:04 |
| S15<br>3     | 0   | fluorescent adj lamp\$1 and<br>discharge adj projection and shape<br>adj (semi-circular or circl\$9)  | USPAT;<br>EPO; JPO | OR | OFF | 2004/07/12 12:01 |
| S15<br>4     | 18  | discharge and projection adj shape<br>and (semi-circular or circl\$9) and<br>(semi-circular or<br>semi-circumferential or<br>circumferential or double<br>semi-circumferential or circular) | USPAT;<br>EPO; JPO | OR | OFF | 2004/07/12 12:02 |
| S15<br>5     | 299 | electrode\$1 adj discharge and projection   | USPAT;<br>EPO; JPO | OR | OFF | 2004/07/12 12:04 |
| S15<br>6     | 26  | electrode\$1 adj discharge and<br>projection and fluorescent adj<br>lamp\$1   | USPAT;<br>EPO; JPO | OR | OFF | 2004/07/12 12:05 |

| S15<br>7 | 0 | electrode\$1 adj discharge and projection adj shape and (semi-circular or circl\$9) and (semi-circular or semi-circumferential or circumferential or double semi-circumferential or circular) and fluorescent adj lamp\$1 | USPAT;<br>EPO; JPO                                      | OR | OFF        | 2004/07/12 12:05 |
|----------|---|---|---|----|------------|------------------|
| S15<br>8 | 3 | electrode\$1 adj discharge and projection and shape and (semi-circular or circl\$9) and (semi-circular or semi-circumferential or circumferential or double semi-circumferential or circular) and fluorescent adj lamp\$1 | USPAT;<br>EPO; JPO                                      | OR | OFF        | 2004/07/12 12:05 |
| S15<br>9 | 3 | display and discharge and projection adj shape and (semi-circular or circl\$9 or ellip\$9 and parabol\$9 and trangle\$9 or square)  | USPAT;<br>EPO; JPO                                      | OR | OFF        | 2004/07/12 12:19 |
| S16<br>0 | 3 | display and discharge and projection adj shape and (semi-circular or circl\$9 or ellip\$9 and parabol\$9 or trangle\$9 or square)   | USPAT;<br>EPO; JPO                                      | OR | OFF        | 2004/07/12 12:19 |
| S16<br>1 | 1 | fluorescent adj lamp\$1 and discharge and projection adj shape and (semi-circular or circl\$9 or ellip\$9 and parabol\$9 or trangle\$9 or square)   | USPAT;<br>EPO; JPO                                      | OR | OFF        | 2004/07/12 12:20 |
| S16<br>2 | 8 | display and discharge and projection adj shape and (semi-circular or circl\$9 or semi-circular or semi-circumferential or circumferential or double semi-circumferential or circular)                                     | USPAT;<br>EPO; JPO                                      | OR | <b>⊙FF</b> | 2004/07/12 12:23 |
| S16<br>3 | 0 | "09783666"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON         | 2004/07/14 13:40 |

| S16<br>5  | 10 | fluorescent and lamp and first and substrate\$1 and second and discharge and gas and electrode\$1 and emit\$6 and electric and voltage and alternat\$6 and area\$1 and light and seal\$6 and positive and negative and (different and area\$1 and alternat\$6)and accord\$9 and (polarity and invert\$6)and group\$1 and (LCD or liquid adj crystal adj display) and project\$6  | USPAT;<br>EPO; JPO | OR | OFF | 2004/12/06 10:35 |
|-----------|----|--|--------------------|----|-----|------------------|
| \$16<br>6 | 0  | fluorescent and lamp and first and substrate\$1 and second and discharge and gas and electrode\$1 and emit\$6 and electric and voltage and alternat\$6 and area\$1 and light and seal\$6 and positive and negative and (different and area\$1 and alternat\$6)and accord\$9 and (polarity and invert\$6)and group\$1 and (LCD or liquid adj crystal adj display) and (project\$6 and electrode\$1 and discharge\$6 and coplaner)       | USPAT;<br>EPO; JPO | OR | OFF | 2004/12/06 10:36 |
| S16<br>7  | 0  | fluorescent and lamp and first and substrate\$1 and second and discharge and gas and electrode\$1 and emit\$6 and electric and voltage and alternat\$6 and area\$1 and light and seal\$6 and positive and negative and (different and area\$1 and alternat\$6)and accord\$9 and (polarity and invert\$6)and group\$1 and (LCD or liquid adj crystal adj display) and (project\$6 and electrode\$1 and discharge\$6 and coplan\$6)      | USPAT;<br>EPO; JPO | OR | OFF | 2004/12/06 10:37 |
| S16<br>8  | 0  | fluorescent and lamp and first and substrate\$1 and second and discharge and gas and electrode\$1 and emit\$6 and electric and voltage and alternat\$6 and area\$1 and light and seal\$6 and positive and negative and (different and area\$1 and alternat\$6)and accord\$9 and (polarity and invert\$6)and group\$1 and (LCD or liquid adj crystal adj display) and (project\$6 and electrode\$1 and discharge\$6 and co adj plan\$6) | USPAT;<br>EPO; JPO | OR | OFF | 2004/12/06 10:37 |

| S16<br>9 | 0  | fluorescent and lamp and first and substrate\$1 and second and discharge and gas and electrode\$1 and emit\$6 and electric and voltage and alternat\$6 and area\$1 and light and seal\$6 and positive and negative and (different and area\$1 and alternat\$6)and accord\$9 and (polarity and invert\$6)and group\$1 and (LCD or liquid adj crystal adj display) and (project\$6 and electrode\$1 and discharge\$6 and (co adj plan\$6 or coplaner or co-plan\$6)) | USPAT;<br>EPO; JPO | OR   | OFF         | 2004/12/06 10:38 |
|----------|----|--|--------------------|------|-------------|------------------|
| S17<br>0 | 27 | (LCD or liquid adj crystal adj<br>display) and (project\$6 and<br>electrode\$1 and discharge\$6 and<br>(co adj plan\$6 or coplaner or<br>co-plan\$6))  | USPAT;<br>EPO; JPO | OR   | OFF         | 2004/12/06 10:38 |
| S17<br>1 | 0  | (LCD or liquid adj crystal adj display) and (project\$6 and electrode\$1 and discharge\$6 and (co adj plan\$6 or coplaner or co-plan\$6)) and fluorescent and lamp and first and substrate\$1 and second and discharge and gas and electrode\$1 and emit\$6 and electric and voltage and alternat\$6 and area\$1 and light and seal\$6 and positive and negative and (different and area\$1 and alternat\$6)and accord\$9 and (polarity and invert\$6)and group\$1 | USPAT;<br>EPO; JPO | OR   | OFF         | 2004/12/06 10:39 |
| S17<br>2 | 0  | (LCD or liquid adj crystal adj<br>display) and (project\$6 and<br>electrode\$1 and discharge\$6 and<br>(co adj plan\$6 or coplaner or<br>co-plan\$6)) and fluorescent and<br>lamp and first and substrate\$1<br>and second and discharge and gas<br>and electrode\$1 and emit\$6 and<br>electric and voltage   | USPAT;<br>EPO; JPO | OR . | <b>⊙</b> FF | 2004/12/06 10:39 |
| S17<br>3 | 0  | (LCD or liquid adj crystal adj<br>display) and (project\$6 and<br>electrode\$1 and discharge\$6 and<br>(co adj plan\$6 or coplaner or<br>co-plan\$6)) and fluorescent and<br>lamp and first and substrate\$1<br>and second and discharge and gas<br>and electrode\$1   | USPAT;<br>EPO; JPO | OR   | OFF         | 2004/12/06 10:39 |

| S17<br>4  | 1  | (LCD or liquid adj crystal adj<br>display) and (project\$6 and<br>electrode\$1 and discharge\$6 and<br>(co adj plan\$6 or coplaner or<br>co-plan\$6)) and fluorescent and<br>lamp | USPAT;<br>EPO; JPO                                      | OR | OFF  | 2004/12/06 10:56 |
|-----------|----|---|---|----|------|------------------|
| S17<br>5  | 0  | (LCD or liquid adj crystal adj<br>display) and (project\$6 adj<br>discharge\$6 and (co adj plan\$6 or<br>coplaner or co-plan\$6)and<br>electrode\$1 ) and fluorescent and<br>lamp | USPAT;<br>EPO; JPO                                      | OR | OFF. | 2004/12/06 10:57 |
| S17<br>6  | 0  | fluorescent and lamp and<br>(project\$6 adj discharge\$6 and<br>(co adj plan\$6 or coplaner or<br>co-plan\$6)and electrode\$1)  | USPAT;<br>EPO; JPO                                      | OR | OFF  | 2004/12/06 10:58 |
| S17<br>7  | 27 | fluorescent and lamp and project\$6 adj discharge\$6  | USPAT;<br>EPO; JPO                                      | OR | OFF  | 2004/12/06 10:58 |
| S17<br>8  | 0  | fluorescent and lamp and<br>project\$6 adj discharge\$6 and (co<br>adj plan\$6 or coplaner or<br>co-plan\$6)  | USPAT;<br>EPO; JPO                                      | OR | OFF  | 2004/12/06 10:59 |
| \$17<br>9 | 0  | fluorescent and lamp and<br>project\$6 adj discharge\$6 and (co<br>adj plan\$6 or coplanar or<br>co-plan\$6) and electrode\$1   | USPAT;<br>EPO; JPO                                      | OR | OFF  | 2004/12/06 11:01 |
| S18<br>0  | 0  | fluorescent and lamp and project\$6 adj discharge\$6 and (co adj plan\$6 or coplanar or co-planar) and electrode\$1   | USPAT;<br>EPO; JPO                                      | OR | OFF  | 2004/12/06 11:01 |
| S18<br>1  | 0  | fluorescent and lamp and<br>project\$6 adj discharge\$6 and (co<br>adj planar or coplanar or<br>co-planar) and electrode\$1   | USPAT;<br>EPO; JPO                                      | OR | OFF  | 2004/12/06 11:02 |
| S18<br>2  | 1  | fluorescent and lamp and<br>project\$6 adj discharge\$6 and<br>("same" adj plane or coplanar or<br>co-planar) and electrode\$1  | USPAT;<br>EPO; JPO                                      | OR | OFF  | 2004/12/06 11:03 |
| S18<br>3  | 4  | "6,674250".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF  | 2004/12/06 11:13 |
| S18<br>4  | 0  | "6,674250".pn. and project\$6 and discharge\$6  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF  | 2004/12/06 11:14 |

| S18<br>5 | 1 | "6,657,396".pn. and project\$6 and discharge\$6              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/06 11:15 |
|----------|---|--|---|----|-----|------------------|
| S18<br>6 | 0 | "6,657,396".pn. and project\$6 and discharge\$6 and coplanar | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/06 11:15 |
| S18<br>7 | 0 | "6,657,396".pn. and project\$6 and discharge\$6 and coplane  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/06 11:15 |
| S18<br>8 | 0 | "6,657,396".pn. and project\$6 and discharge\$6 and plane    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/06 11:15 |